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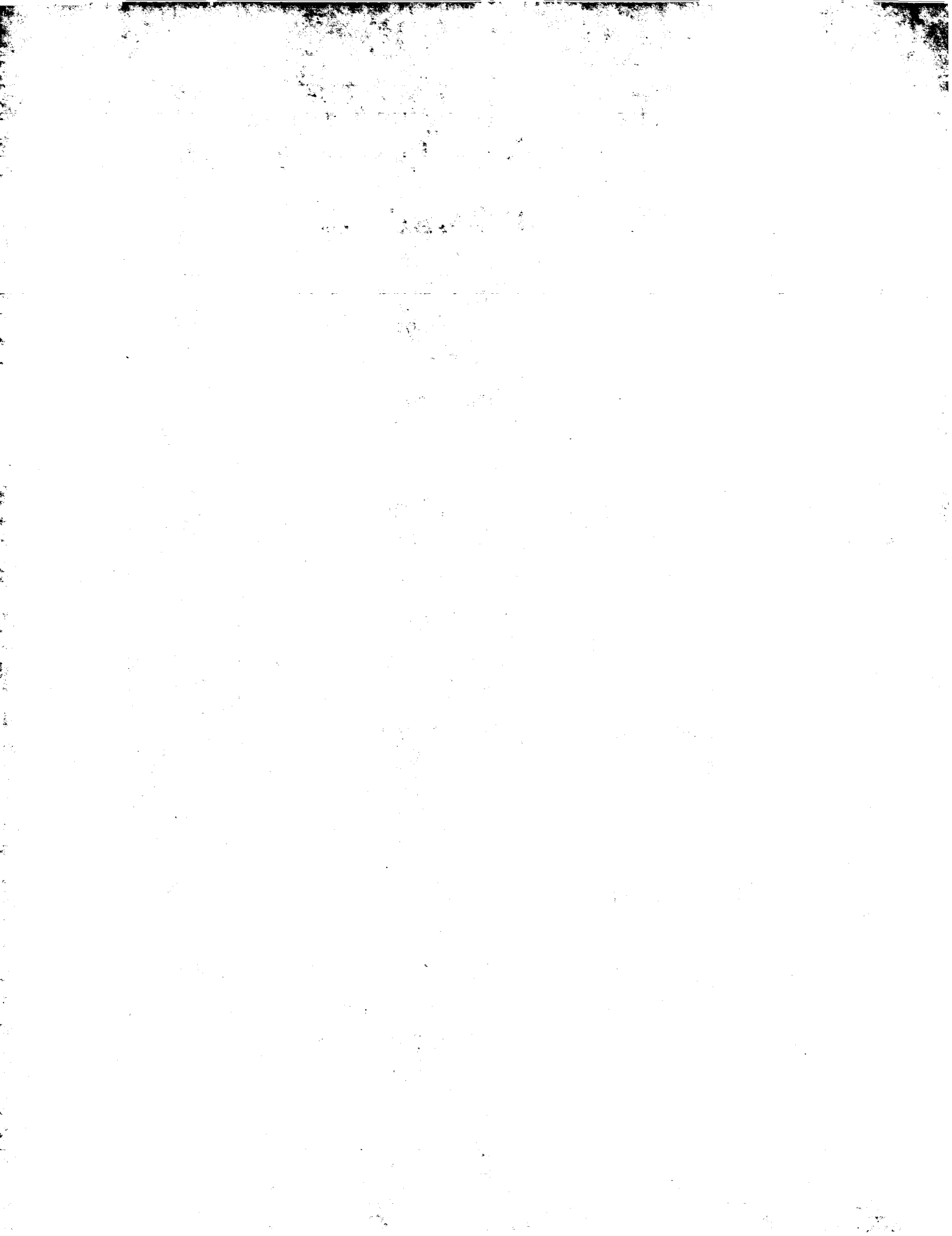
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## PATENT ABSTRACTS OF JAPAN

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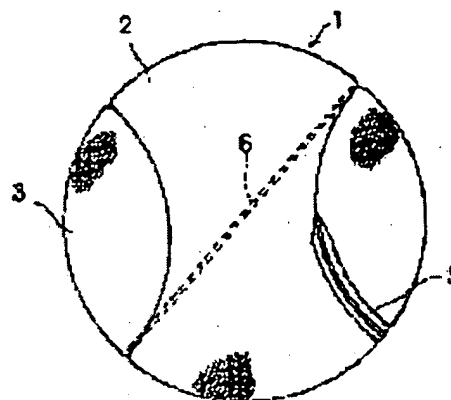
(21)Application number : 07-255465 (71)Applicant : DIA CORP:KK  
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## (54) WASHING NET

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a washing net which is difficult to be distorted during washing and inner clothes can be washed well.

SOLUTION: In a washing net which is of bag-like shape and encloses clothes to be washed, a band member 6 which is made of a water permeable and inextensible material is stretched and internally attached between two points which are opposite to each other. Several band members 6 are arranged in the net 1, and many dent and projection parts are formed on the surface. Both ends of the band member 6 are folded and sewed so that they are not protruded in the net 1.



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## CLAIMS

**[Claim(s)]**

[Claim 1] A wash network characterized by being formed in saccate, passing a band-like member which is a wash network for putting in and washing the washing, and there is water flow nature and consists of a small material of elasticity to the condition of having stretched between parts in a network which carry out phase opposite, and being prepared.

[Claim 2] Said band-like member is a wash network according to claim 1 characterized by passing two or more and being prepared in a network.

[Claim 3] A wash network according to claim 1 or 2 characterized by forming much irregularity in a front face of said band-like member.

[Claim 3] A wash network according to claim 1 or 2 characterized by forming much irregularity in a front face of said band-like member.  
[Claim 4] An ends edge of said band-like member is a wash network claims 1 and 2 characterized by being turned up, respectively and being sewn on so that it may not expose in a network, or given in three.

[Translation done.]

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DETAILED DESCRIPTION

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## [Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention relates to the wash network for putting in and washing the washing. Especially, it excels in the firmness of a network and is related with the wash network which can wash the washing contained by the network good.

[0002]

[Description of the Prior Art] Drawing 7 is the perspective diagram showing the conventional wash network.

[0003] The network 10 shown in this drawing is spherically formed as a whole by sewing up two configuration pieces 11 and 12 along the edge. 13 is a fastener which constitutes the bag mouth of a network.

[0004] According to such a wash network, the merit of being able to wash the washing in a network is obtained by opening a fastener 13, containing the washing in a network, closing a fastener 13, and supplying to a washer, preventing trespass of the waste thread from other washing etc.

[0005]

[Problem(s) to be Solved by the Invention] There were the following problems in the conventional wash network mentioned above.

[0006] Since it will be violently rubbed with a stream or other washing if a wash network is thrown in in laundry sink, a form tended to collapse. For this reason, as shown in drawing 8, the washing W contained by the network 10 was pulled with the network 10, and form collapse was caused depending on elongation or the washing which becomes empty, and it tended to produce the bruise of a seam avoiding. Moreover, as shown in drawing 9, the washing W contained by the network 10 inclined within the network 10, or tended to change into the condition in the distorted state etc., and was not washed well.

[0007] This invention can solve the above troubles, can decrease deformation of the network under wash, and offers the wash network which can wash the washing contained by the network good.

[0008]

[Means for Solving the Problem] It carries out a wash network according to claim 1 being formed in saccate in order to attain the above-mentioned object, and a band-like member which is a wash network for putting in and washing the washing, and there is water flow nature and consists of a small material of elasticity being passed to the condition of having stretched between parts in a network which carry out phase opposite, and being prepared as the feature.

[0009] A wash network according to claim 2 is characterized by passing two or more [ of said band-like member ], and preparing it in a network, in a wash network according to claim 1.

[0010] A wash network according to claim 3 is characterized by forming much irregularity in a front face of said band-like member in a wash network according to claim 1 or 2.

[0011] A wash network according to claim 4 is characterized by being turned up, respectively and sewing an ends edge of said band-like member on so that it may not expose in a network in a wash network claims 1 and 2 or given in three.

[0012]

[Function and Effect] Since according to the wash network according to claim 1 the band-like member which there is water flow nature and consists of a small material of elasticity is passed to the condition of having stretched between the parts in a network which carry out phase opposite and is prepared, even if a network is pulled in the direction in which the band-like member was passed by being rubbed within laundry sink, a network becomes inelastic in the pulled direction.

[0013] By this, even if rubbed within laundry sink, a network cannot lose its shape easily, and deformation of the network under wash will decrease.

[0014] Therefore, according to such a wash network, the washing contained by the network is hard to be pulled and it is effective in the ability for the washing to incline within a network or wash the washing which stopped being able to be in the condition in the distorted state etc. easily, and was contained by the network good.

[0015] Moreover, since the operation which contacts the washing with which the band-like member was contained by the network, and grinds the washing is made during wash, the advantage that the dirt of the washing tends to come off is acquired.

[0016] Since two or more band-like members are passed and are prepared in the network in the wash network according to claim 1 according to the wash network according to claim 2, deformation of a network will decrease further and the washing can be further washed to fitness.

[0017] According to the wash network according to claim 3, in a wash network according to claim 1 or 2, since much irregularity is formed in the front face of a band-like member, the advantage that the dirt of nothing and the washing tends [ much more ] to come off the operation whose irregularity of this grinds the washing contained by the network good is acquired.

[0018] Since according to the wash network according to claim 4 it is turned up, respectively and the ends edge of a band-like member is sewn on in the wash network claims 1 and 2 or given in three so that it may not expose in a network, the edge section of a band-like member does not have \*\*\*\*\* or \*\*\*\*\* in the washing, and it is not said that it damages the washing.

[0019]

[Embodiment of the Invention] Hereafter, the gestalt of operation of this invention is explained with reference to a drawing.

[0020] A band-like member sews on the fragmentary sectional view and drawing 4 which the plan and drawing 2 which show the gestalt of implementation of the wash network which drawing 1 requires for this invention are the same, and show the band-like member when seeing a horizontal amputation stump side Fig. and drawing 3 from [ of drawing 2 ] an III-III view, and they are the expanded sectional view of a portion.

[0021] the wash network 1 of this operation gestalt sews up two configuration pieces 2 and 3 along the edge, and wraps the sewing-up portion -- as -- bias tape 4 -- reliance -- \*\*\*\* -- it is spherically formed as a whole by carrying out sewing. 5 is a fastener which constitutes the bag mouth of a network.

[0022] 6 is a band-like member, as shown in drawing 1 and 2, is passed to the bias tape 4 in a network 1 which carries out phase opposite, and the condition of having stretched among four, and is prepared. With this operation gestalt, the band-like member 6 is passed in the one direction of a path of a network 1, and is prepared. The small material [ the member / the band-like member 6 has water flow nature, and ] of elasticity, for example, (what made crimp thread \*\* edited by the mesh is) employable. As shown in drawing 5, the band-like member 6 of this operation gestalt carries out sewing of the one cloth to long tubed one, and what made cloth band-like by making a \*\*\*\* repetition and this flat so that the seam 6c might become the inside is used. Much irregularity of 6d is formed in the whole front face of the band-like member 6.

[0023] The edge section 6a is turned up inside so that it may not expose in a network 1, and the band-like member 6 is sewn on side 4a of the bias tape 4, as shown in drawing 4.

[0024] According to the above wash networks, like a common wash network, a fastener 5 is opened, the washing is contained in a network 1, this is supplied to a washer, and the washing is washed.

[0025] Since the band-like member 6 is passed to the condition of having stretched in the direction of a path and is prepared in the network 1, even if a network 1 is pulled in the direction in which it was rubbed within laundry sink and the band-like member 6 was passed, a network 1 becomes inelastic in the pulled direction.

[0026] By this, even if rubbed within laundry sink, a network 1 cannot lose its shape easily, and deformation of the network 1 under wash will decrease.

[0027] Therefore, according to such a wash network, the washing contained by the network 1 is hard to be pulled, and it is effective in the ability for the washing to incline within a network 1 or wash the washing which stopped being able to be in the condition in the distorted state etc. easily, and was contained by the network 1 good.

[0028] Moreover, since the operation which contacts the washing with which the band-like member 6 was contained by the network 1, and grinds the washing is made during wash, the advantage that the dirt of the washing tends to come off is also acquired.

[0029] Furthermore, since much irregularity of 6d is formed in the front face of the band-like member 6, the advantage that the dirt of nothing and the washing tends [ much more ] to come off the operation whose irregularity of this of 6d grinds the washing contained by the network 1 good is acquired.

[0030] Moreover, the advantage of becoming easy to fall with the friction effect which it is rubbed by the stream in laundry sink since the deformation decreases by the band-like member 6 which the wash network of this operation gestalt is spherically formed, and was mentioned above and it is easy to be held almost spherically also during wash, and network 1 the very thing tends to rotate, and the band-like member 6 has conjointly more effectively [ the dirt of the washing ] is acquired.

[0031] Since the ends edges 6a and 6b of the band-like member 6 are turned up, respectively and are sewn on the bias tapes 4 and 4 so that it may not expose in a network, the ends edges 6a and 6b of the band-like member 6 do not have \*\*\*\*\* or \*\*\*\*\* in the washing, and it is not said that they damage the washing.

[0032] Drawing 6 is the peek inside perspective diagram showing the gestalt of other operations of the wash network of this invention.

[0033] The place where this thing differs from said operation gestalt is in the point that the band-like member 66 which intersects perpendicularly mostly to the band-like member 6 explained with said operation gestalt is passed in a network 1, and is prepared.

[0034] According to such a wash network, deformation of the part and network 1 with which the band-like member 66 is formed compared with the wash network explained with the above-mentioned operation gestalt will decrease further, and the washing can be further washed to fitness. Furthermore, since it is prepared in the direction in which the band-like member 66 intersects perpendicularly mostly to the band-like member 6, it will be strong also to hauling from various directions, and deformation prevention of a network 1 will be performed more effectively.

[0035] As mentioned above, although the operation gestalt of this invention was explained, this invention is not limited to the above-mentioned operation gestalt, and deformation implementation is possible for it suitably within the limits of the summary of this invention.

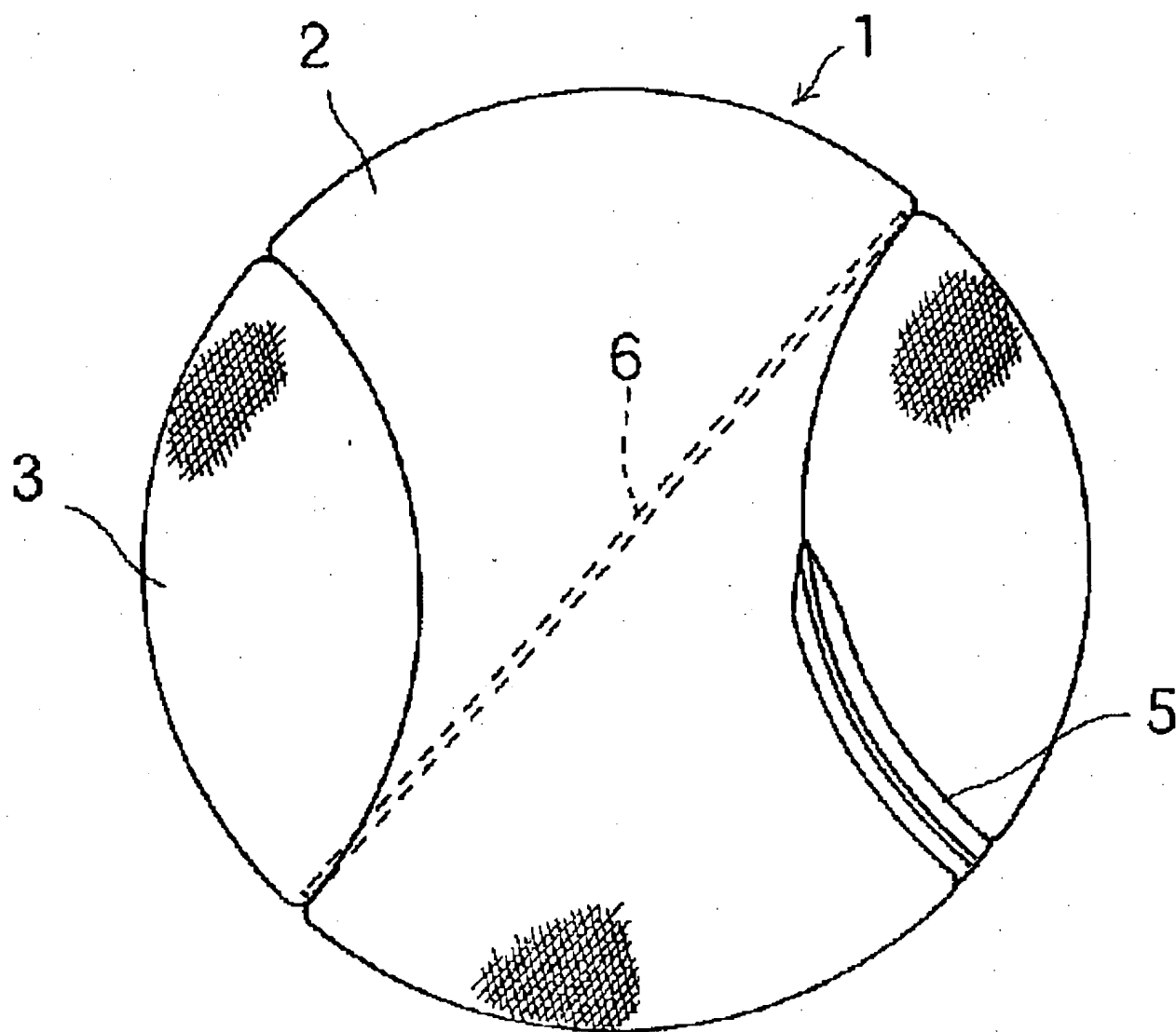
[0036] For example, although the band-like member 6 was considered as one or the configuration prepared two into the network 1 with the above-mentioned operation gestalt, it is good also as a configuration prepared in the various directions two or more.

[0037] Moreover, the thing of not only a consisting [ of a configuration mentioned above ] thing but various configurations and the thing of a configuration can be used for the band-like members 6 and 66.

[0038] Moreover, the configuration of a wash network may not be restricted spherically, for example, may be the shape of the shape of a square, and a cylindrical shape, a cone configuration, a triangular pyramid configuration, etc.

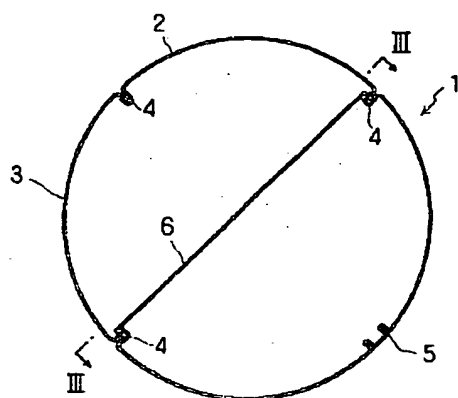
[0039]

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Drawing selection drawing 2

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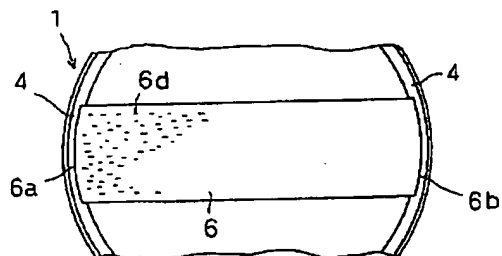

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Drawing selection drawing 3

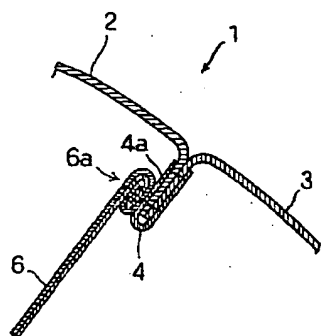
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Drawing selection drawing 4

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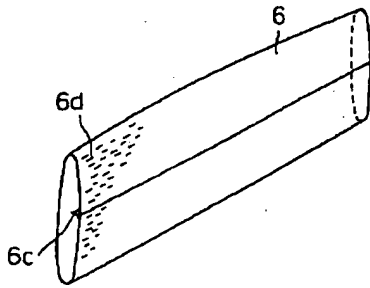


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Drawing selection drawing 5

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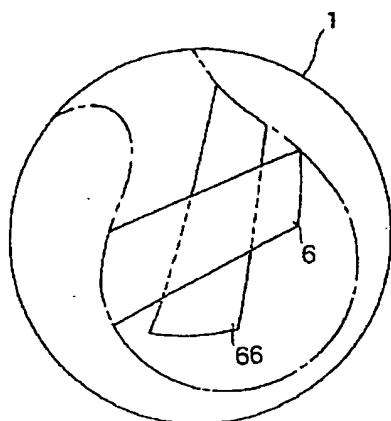


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Drawing selection **drawing 6**

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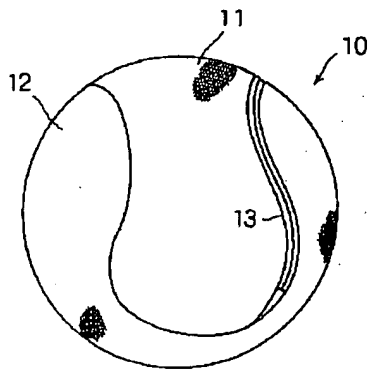


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[Translation done.]

Drawing selection drawing 7

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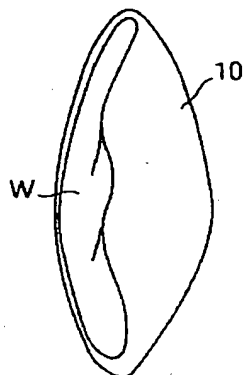


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Drawing selection drawing 8

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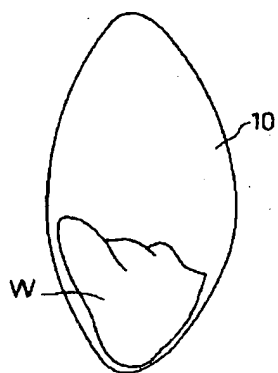


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Drawing selection drawing 9

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[Translation done.]

